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WILES OF FAIR WOMEN

A Vassar Girl Victimizes a Frenchman.

Leaves For San Francisco With \$12,000 in Cash.

He Says He Does Not Wish Her Arrested—San Francisco Police Do Not Believe the Tale.

NEW YORK, October 5.—Louis Bessant, a young medical student from Paris, whose folks are said to reside on the Faubourg St. Germain, arrived in this city a few weeks ago with about \$15,000, but has been since left almost a beggar. While in London he made the acquaintance of a handsome young American girl, she attending Covent Garden Theatre with a matronly woman. Bessant continued the acquaintance, meeting and escorting the young woman, who described herself as Blanche Richardson, a graduate of Vassar College and a resident of Boston.

Their intimacy became so close that the young medical student gave up his professional studies and, at his companion's solicitations, came to America. He and his fair prize took up a furnished flat in this city.

They had been there only a few days when a young man, who was introduced by Blanche as "Cousin Harry," called. In a game of cards with "Cousin Harry," on his second visit, the young student became suspicious of his visitor, who had succeeded in winning \$700.

Next day Bessant went to Boston to look up the antecedents of his pretty Vassar companion. He learned that Blanche had graduated at Vassar and was a member of a prominent family, but had fallen from grace and had left the Hub to accompany a well-known adventurist to Europe last winter.

Bessant returned to this city, determined to rid himself of Blanche and to at once return to his native land. This was last Wednesday, but when the medical student arrived in this city and went to the flat, to his dismay he found the place deserted and every article of value removed. He cleared out of the flat, besides the furniture, his two trunks, containing almost \$12,000 and his clothes and valuable papers.

He visited a detective agency and a detective learned that Blanche had disposed of all the furniture and had her baggage checked for San Francisco. Today a dispatch was received from the Chief of Police at San Francisco, announcing that the woman had arrived and was under surveillance, waiting for further orders.

Bessant evinced a dislike to order her arrest, explaining that if she would give up his clothes and papers he would not prosecute her. He started for San Francisco at once.

IN SAN FRANCISCO.

The Way the Story is Viewed by the Bay City Police.

SAN FRANCISCO, October 5.—The police here express some amusement at a dispatch telegraphed from New York last night stating that Louis Bessant, a young medical student from Paris, had been swindled out of a fortune of \$15,000 by Blanche Richardson, a scheming American girl and a graduate of Vassar.

Two weeks ago a woman who has an unpronounceable French name and who speaks very little English, arrived in this city and has since been an inmate of a house of bad repute. Soon after her arrival Chief Crowley received a telegram from detective Fuller, of New York, to locate the woman and to keep her under surveillance. He did so and ascertained the facts stated.

Bessant is also in this city and has resumed his former relations with her. The police say that instead of being a medical student, he belongs to the class of men who are supported by fair women, and that the only foundation for the story is the circumstance that the woman left New York before him and carried off his life insurance policy in her trunk.

RELEASED FROM CUSTODY.

Young Riall Allowed to Proceed on His Trip to Europe.

NEW YORK, October 5.—Ernest Riall, arrested yesterday on a telegram from Omaha, Neb., stating that he was wanted there for the embezzlement of \$18,000 from Richard J. Straight, by a bogus land transaction, was discharged by Justice Reilly in Jefferson Market Court today.

Straight stated he had no desire to prosecute Riall and had made a mistake in causing his arrest, as he could not bear the expense of having Riall taken back to Omaha for trial.

FRENCH ARISTOCRACY.

The Comte de Paris and Party Inspecting New York.

NEW YORK, October 5.—The Comte de Paris and party this morning attended the funeral services over the remains of Carl Hass, valet of the Duc d'Orleans, who died in this city the day after his arrival.

In the afternoon the royal party walked across the Brooklyn bridge and in the evening were entertained at dinner by General Sherman.

Tomorrow morning they go to Philadelphia.

AN ACCIDENTAL CUT

Supposed to Have Caused the Death of a Baltimore Citizen.

BALTIMORE, October 5.—George R. Graham, one of Baltimore's wealthiest and most widely known citizens, and a cousin of the present head of the firm of Alexander Brown & Sons, died today at his country residence.

Graham was shaving on the evening of September 25 and accidentally gashed his neck. Blood flowed freely from the wound, and he was greatly exhausted

when found lying on the floor of the room. Graham had suffered long from malarial fever, and to the effects of the malarial fever his family attribute his death.

GREAT PARADE.

St. Louis Germans Turn Out in a Patriotic Procession.

ST. LOUIS, October 5.—A great German day parade took place this afternoon and, despite a cold, drizzling rain which fell all afternoon, 30,000 men participated. Each man carried an American flag and there were many artistic floats, representing the Fall of Donauersheim, the "Sleeping Beauty," etc.

Every phase of political allegiance, religious belief, social position and personal sentiment had a part in the parade and a voice in the exercises which followed it.

Clearing House Exchanges.

BOSTON, October 5.—A table compiled from dispatches from the leading Clearing Houses of the United States and Canada shows the gross exchanges for the past week to have been \$1,280,570,138, a decrease of 1.8 per cent from the corresponding period last year.

A Valuable Stallion Killed.

CANTON, Ohio, October 5.—During the races at Marlboro fair yesterday, the stallion Bismarck, valued at \$5,000, owned by William Myers, collided with a buggy being driven across the track. The stallion was instantly killed and Myers seriously injured.

Jewish Workmen.

NEW YORK, October 5.—The second day's session of the National Convention of Jewish Workmen today was well attended. Resolutions advising a National union between the United States and Canadian trade unions were adopted.

LAPSED CHARGES

AGAINST THE SUPERVISING INSPECTOR OF STEAM VESSELS.

An Investigation Ordered Upon Unauthorized Accusations Purporting to Come From 33,000 Pilots.

WASHINGTON, October 5.—The proposed investigation of the office of General Dumont, Supervising Inspector of Steam Vessels, appears to have come to an abrupt end. The reference of the resolution introduced by Flower back to the Committee on Rules is probably the last of it.

Last Monday when General Dumont, the Supervising Inspector General, was before the Committee on Merchant Marine and Fisheries, which had been given charge of the investigation, it was discovered that the charges had not been signed. Flower was sent for and asked by the committee if he wanted to take the responsibility for the charges and he replied he did not, that he knew nothing about them except that a Mr. Husted came to him with a letter of recommendation and introduction from George L. Norton, editor of the *Marine Journal*, claimed to represent the Grand Harbor of the Brotherhood of Pilots, composed of 33,000 licensed pilots, who claimed persecution by General Dumont.

General Dumont disputed the authority of either Husted or Norton, and wrote to Captain Tuthill, Grand Captain of the Grand Harbor. A reply was received from Tuthill, in which he said that Husted was not known to him and that he did not represent the Grand Harbor at all. He said further that there were no complaints from the Grand Harbor, but there was some grumbling among probably half a dozen disgruntled men in the Harbor.

Yesterday General Dumont wrote an official letter to Flower, quoting the letter of Tuthill and stating that Norton was a persistent and bitter enemy of his (Dumont) because he had refused to pass some accounts which Mr. Norton had insisted should be passed.

PERISHED TOGETHER.

A Mother Goes Back in a Burning House to Save Her Children.

DUNQUEEN, Iowa, October 5.—The house of John McBee was discovered to be on fire early this morning. When the firemen arrived McBee jumped from a window in the upper story to the ground and was seriously injured. The flames were quickly extinguished and the remainder of the unfortunate family removed.

Mrs. McBee and her daughter Rose, aged 18, were dead. A young daughter, Bertha, aged 16, and a son, Charley, aged 8, were unconscious. The boy died this afternoon and the girl cannot live.

McBee says he was awakened by a sense of suffocation and found the room filled with smoke. He aroused his wife and they groped their way to a window, through which he leaped or fell. The wife was close behind him but, remembering the children, must have gone back to try to save them and perished. When found the family was in a group with their arms about each other.

The French in Africa.

PARIS, October 5.—Admiral Cuverville has telegraphed the Government that he has concluded a treaty of peace with the King of Dahomey and has raised the blockade. According to the terms of the treaty the King will respect the rights of the French as to the possession of Kotonou and will also recognize a French protectorate over Porto Novo.

A Ball on a Rampage.

MEXICO, October 5.—At the annual fete today, during the inspection of the prize bulls, one of the animals broke loose and dashed into a mass of spectators, trampling upon people right and left. Many persons were injured, but none seriously. Prince Regent Luitpold had a narrow escape.

From South America.

BUENOS AYRES, October 5.—Congress has passed the conversion law. At Montevideo the import duties have been increased 5 per cent and the export duties restored.

POSTAL TELEGRAPHY

Warmly Supported by the Postmaster-General.

He Declares the Measure to be Constitutional.

Considers the Project as But an Enlargement of the Work of the Postoffice Department.

WASHINGTON, October 5.—Postmaster-General Wainwright tonight made public a letter recently addressed to the Chairman of the House Committee on Postoffices, embodying an elaborate argument in favor of his limited plan of postal telegraphy. Appended to the letter is a mass of matter pertaining to the subject, making altogether 223 pages closely printed.

The Postmaster-General, in his letter, says, in part: "After standing for a year past in the midst of a controversy over postal telegraphy that for over forty years has gone on with a sharper tone and a widening range, I am more than ever convinced of the wisdom and practicability of restoring the telegraph to the postal service and make it what it was originally intended to be, a part of the postal system."

"I say this after closely studying the arguments against the bill made so vigorously by the great telegraph company which is now its only visible opponent. I don't believe it is possible to argue this question down. There is a deep and far reaching conviction among the people that the telegraph service is by right a part of the postal service. The measure is to give the country a vast enlargement of the postal system and to bring home to the people the cheap use of one of the most powerful agencies of modern commerce and civilization."

As to the constitutionality of the postal telegraph, the Postmaster-General says in part: "It has been argued by learned lawyers for a score of years that a Government telegraph is unconstitutional. The motives of these gentlemen have been one of two in all cases. They have been the paid attorneys of the telegraph companies whose special interests have demanded that their monopolies should in no way be interfered with. Other opponents were those who imagined that the constitution would be exposed to every sort of outrage were the measure to carry."

"The Courts of highest appeal have settled this question. Congress settled it in advance of judicial action, by making the United States the owner and the Post Office Department the manager of the first line of wire constructed for commercial and public use. The old Government telegraph schemes were constitutional. What shall be said then of the limited postal telegraph plan, which is being so criticized?"

There is no doubt that it is constitutional. The Attorney-General of the Department has assured me that the conclusion that the scheme is constitutional cannot be resisted."

In concluding, the Postmaster-General says he has always invited the most rigid scrutiny and criticism of the measure. "It is not," he says, "a proposition to take money from the treasury or to employ additional civil servants, it is not a proposition to put any power whatever in the hands of the Government which is not at present greater and more dangerous where it is. It is a proposition simply to dovetail together two great machines, so that one shall do business equitably and by that means make more money (which shall willingly be accredited to the people), the other to utilize its present skilled and faithful energy to help supply the people with still better means of communication, furnished still more cheaply. It is not a proposition to buy the railroads or coal mines, saw mills or tanneries of the country."

"If others speak out for the telegraph, stockholders some one must stand up for the people, in the interest of the cheap telegraph that they want. I believe it belongs to this Department to take this stand and I propose intelligently and persistently to keep this subject before you in strong confidence that it will not be long before your committee will take steps to give the people the relief prayed for."

SLOGGING AFOAT.

A Five-Round Contest on a Boat on the Ohio River.

PITTSBURGH, October 5.—William Bissell, of McKeesport, and George Gillen, of Mansfield, fought this morning on a boat on the Ohio river near Rochester. Little science was displayed, the men going at it like blunderbusses. In the fifth round Gillen was knocked down and his head struck the deck, rendering him unconscious. The fight was given to Bissell. Both men were fearfully punished.

ON THE DIAMOND.

Various Association Games Telling Off the Season.

LOUISVILLE, October 5.—One of the best games of the season was called at the end of the ninth inning on account of darkness, neither Louisville nor the Columbus team having been able to score a single run. Oakland 11, Sacramento 4. San Francisco 11, Stockton 5. St. Louis 6, Toledo 2.

A BRUTAL BATTLE.

The Defeated Man Refuses to Give Up the Fight.

CHICAGO, October 5.—One of the most brutal fights ever witnessed in this vicinity took place early this morning in a barn near Shelby, Ind., between Tommy Ryan, of Grand Rapids, light-weight pugilist of Michigan, and Con Doyle, a local pugilist of Chicago, weighing 137 and 136 pounds respectively.

The fight was to a finish, with two ounces gloves, for a purse of \$500. Marquis of Queensberry rules. The battle was for blood from the

start. Ryan, who was evidently the more scientific of the two, managed to avoid Doyle's heavy left-handers, and, in turn, hammered the Chicago boy's face and breast almost to mince meat.

At the end of the twenty-seventh round it was evident that Doyle was used up, but nevertheless he wanted to fight further, despite the fact that his eyes were closed. He staggered to the center of the ring, almost crazy, and insisted on fighting it out, rough and tumble. His second threw up the sponge, however, and Ryan was declared the winner.

Impertinent Emperors.

VIENNA, October 5.—The Austrian and German Emperors had a narrow escape from a serious accident, while riding in a carriage at Muersteg, today. The horses shied, throwing the carriage against a tree and partially wrecking the vehicle. The two rulers alighted unhurt.

Chinese Converts to Christianity.

ALBANY, N. Y., October 5.—Three Chinamen were baptized tonight in the Emmanuel Baptist church, by Henry M. King, D. D. This the first instance of the admission of Chinamen to a Christian church in this section.

Reciprocity Negotiations.

MADRID, October 5.—A rumor is current that the Spanish Government intends to enter into negotiations with the United States for reciprocity concessions touching Cuban and American products.

Revolutionists Win at the Polls.

BERNE, October 5.—The Revolutionary party in the Canton of Ticino has won a victory on the question of revising the constitution, the vote standing 11,928 for, and 11,836 against.

MATTERS IN MEXICO.

MISCELLANEOUS JOTTINGS FROM THE NEIGHBORING REPUBLIC.

Newspapers Protesting Against the Anti-Lottery Postal Law of the United States—Fearless President Diaz.

CITY OF MEXICO, October 5.—Newspapers here call on the Government to appeal to the postal union against the action of the United States Government in forbidding the transportation of Mexican newspapers, with lottery advertisements.

General Henriquez, Governor of the State of Vera Cruz, has taken steps to introduce colonists in that State, which is rich in resources. Steel rails are being manufactured on a small scale.

The rainy season has ended. President Diaz rides daily through the streets and walks. The free way in which he exposes himself shows that he discredits the rumors of plots against his life.

President Barrios, of Guatemala, told a correspondent that the statement that he was trying to call a congress of Central American States was incorrect. This, he said, had been done three years ago and the congress should have met in Honduras September 16, but on account of the war the meeting was postponed. He said that under no consideration would a voice or vote be allowed the United States or any other foreign nation.

ANGRY AUSTRIANS

Strongly Express Disapproval of the New Tariff Law.

VIENNA, October 5.—The Austrian newspapers are full of angry articles on the new American tariff, which receives more downright abuse than genuine criticism. The government is trying to allay the excitement over the measure. The Minister of Commerce, addressing a deputation, frankly declared that he was unable to exercise any pressure in Washington, because American imports into Austria were so small, but he promised to try to induce President Harrison to grant facilities for the mother-of-pearl industries.

Portuguese Politics.

LONDON, October 5.—The Lisbon correspondent of the *Daily News* says he understands that Ferrao is purposely delaying the formation of a new cabinet until he has conferred with Lord Salisbury, whose consent he desires to the arbitration of the whole question in dispute between England and Portugal.

CONDENSED TELEGRAMS.

A dispatch to the London *Times* from Brussels says that the King of Holland is worse. By the bursting of a reservoir at La Loude, France, yesterday, five persons were killed and thirty injured.

It is understood that the Vatican has decided to advise Catholics to abstain from voting at the coming Italian election.

It is said that the differences between Emperor William and Count von Waldersee, regarding the military policy, have been removed.

Thousands of mother-of-pearl workers camping in a forest near Vienna are in a destitute condition. Funds have been started for their relief.

The report is confirmed that General Bardonviski and 370 soldiers were drowned during recent maneuvers in Russia, by a collapse of a bridge.

The two hundredth anniversary of the landing of the first German immigrants in America was celebrated in Louisville with a large parade and speeches.

Thirty arrests have been made in St. Petersburg in connection with the workmen's political movement. Many other arrests were made in the interior.

Comte de Paris has sent a cable dispatch to friends in Paris saying that he was profoundly touched by the warm welcome he has received in America.

The Spanish cabinet has decided to suspend the application of the new Cuban tariff, pending a reply to representations to be made to the United States Government by the Spanish Minister.

THE PACIFIC SLOPE

A Sensational Suicide at Redwood City.

Poisons Herself on Her Bridal Night.

Funeral of a Man Killed at Fresno—A Tucson Man Shoots Himself—Oregon Happenings.

REDWOOD CITY, Cal., October 5.—A sensational suicide occurred here this morning. Last night Louis Esslinger was married to George Wehrin; this morning she was found dead in her bed. The marriage took place at the residence of C. Conner, uncle of the bride, and was attended by a large number of friends. During the festivities, none seemed happier than the bride, who was a handsome German girl, aged 22 years. When the guests were retiring, she grew hysterical, but this was not considered of much consequence by her friends.

At 4 o'clock, when she and her husband went to their residence, a pretty cottage recently purchased and furnished by the groom, she refused to allow him to enter her room, and, after remonstrating vainly, he was compelled to return to the residence of Mr. Conner to pass the remainder of the night.

On again entering her home at 6 o'clock she was horrified to find his wife lying unconscious in the bed. Her wedding garments and bridal wreath were scattered about the room in disorder. A physician was hastily summoned, but pronounced her extinct. The unfortunate girl left no letter to tell why she wished to end her life. On the floor near the bed was found a piece of paper crumpled up, and in the bed were found some grains of a crystal substance, probably poison, the nature of which has not yet been certainly determined.

Miss Esslinger has been in Redwood only four weeks. It is said she was anxious to have the wedding hastened, but as the day approached she became despondent and at times acted as though not in her right mind. From remarks frequently made by her it is surmised that a former lover in Portland, Or., proved false to her. Her husband is well-known heart-broken. The inquest and funeral will take place tomorrow.

THE FRESNO MURDER.

Williams' Body to Be Buried in San Francisco.

STOCKTON, October 5.—The remains of Percy Williams, who was shot and killed at Fresno Friday morning, were brought here yesterday and taken to the residence of G. W. Trahan, father of Mrs. Percy Williams.

Many personal friends of the deceased called to see the body and at 4 p. m., there was a quiet ceremony performed, which consisted of reading the burial service prayers.

The remains will be taken to San Francisco and will be placed in the family vault at Laurel Hill cemetery. The remains of a 4-year-old son of Percy Williams, who died last February, were removed from the vault in Rural cemetery today and will also be conveyed to the Laurel Hill vault.

Williams' slayer is about 25 years old, medium stature, dark complexion and good address. He is an all-round sportsman and gambler, who deals faro, follows fair, and when no other occupation is open, drives a hack.

A few years ago he lived in Tulare, and about a year ago he had an altercation with John Welch, a real estate agent of Fresno, and was shot in the leg by Welch. Smith, after receiving the wound, disarmed Welch and gave him a terrible beating.

He was suspected of being implicated in the recent robbery, but the evidence was insufficient. The suspicion arose from the fact that the day following the robbery Smith had a pocket full of gold, but he declared it was insurance money on his house, which had been destroyed by fire.

SHOT IN THE HEAD.

A Dependable Tucson Pioneer Dies by His Own Hand.

TUCSON, A. T., October 5.—William A. McDermott, a pioneer and prominent Democratic politician, committed suicide here this morning at 4 o'clock, by shooting himself in the head. Death resulted instantaneously. The cause is supposed to be reverses in gambling and the influence of liquor.

An Oregon Railroad Accident.

THE DALLES, Or., October 5.—No. 4 passenger train was wrecked near Celilo, east of this city, this morning, by running into a sand bank. The engine and tender were thrown from the track and badly wrecked. Fireman Howard was caught between the engine and tender and badly crushed. He will probably die. Joe Earhart and George Lang received painful injuries.

Fire at Portland.

PORTLAND, Or., October 5.—A fire in the casting room of the Union Iron Works this afternoon destroyed property valued at about \$47,000, the entire roof being burned off. A large number of patterns were destroyed. Loss was partly covered by insurance.

CUT THEIR THROATS.

Brutal Murder of an Old Negro and His Daughter.

BELLEVILLE, Ill., October 5.—Two young men out hunting yesterday came across the senseless body of an aged negro man and a young woman, subsequently ascertained to be his daughter. Their throats had been cut with a No. 7. The woman was revived slightly and said that they were attacked while

asleep by an unknown man, who cut their throats and robbed them of the little money in their possession. The man died in a short time and the woman cannot live.

HE LEFT.

New Jersey Police Give Herr Most Notice to Leave.

NEWARK, N. J., October 5.—Herr Most has been liberally advertised to address a Socialistic meeting here tonight. At the appointed time a crowd mostly composed of Russians and Germans gathered in the hall and greeted the anarchist with loud cheers. Police then entered and, much to the discomfort of the audience, escorted Most from the hall and gave him half an hour to leave the city. He left.

A Matter of Fact View.

LOSOS, October 5.—The *Daily News* says: "The European expectation of revolt among American farmers against the artificial dearthness caused by the tariff has never been realized. It is always threatened, but always postponed. The idea that the new tariff aims a blow at Canadian independence is as absurd as the talk of excited people here who declare this an attack upon England."

Willing to Disgorge.

SAN FRANCISCO, October 5.—Walter E. Huey, Collector of the State Board of Harbor Commissioners, who disappeared a short time ago with \$2000, has been heard from at Victoria, B. C. He says if he can avoid arrest he will pay the money back.

Cholera in Spain.

MADRID, October 5.—Cholera is believed to have broken out in Barcelona, where five suspected cases are reported. Two have been fatal.

PACIFIC SEALERS.

REVENUE CUTTER SENT TO INTERCEPT THEM.

Belief Expressed That Many Chinese are Entering the United States by Way of Alaska.

SAN FRANCISCO, October 5.—The revenue cutter Oliver Wolcott was noted as having sailed from Victoria to Behring Sea on September 28.

Today it is learned that the Wolcott has certainly sailed for Sitka and intends making a cruise of surveillance along Alaska, terminating in a tour through Behring Sea.

It came to the knowledge of the government a short time since that a fleet of practical Canadian sealers had been upon Behring Sea as a winter sealing ground and it was decided to send the cutter Wolcott to Behring Sea to intercept the sealers.

But detecting and possibly seizing some of the Canadian sealers is one of the smallest items in the mission outlined for the Wolcott. She has also been instructed to exercise close surveillance over the cannery stations and other Alaskan points, with a view to detecting Chinese trying to smuggle themselves into the United States.

Since vigilant customs officers along the northern border have bagged big batches of Celestials who have sought to cross from British Columbia, the Chinese have commenced to operate a new method of getting into the country through Alaska. It is believed that they are assisted by the owners of small vessels at Victoria and other British colonial ports, who take them to Alaska and manage to elude the few customs inspectors. Arrived there, the Chinese either go down the coast under the guise of fishermen returning from the canneries or land from chartered schooners at coast points offering easy means to reach the interior.

After a preparatory cruise along the Alaskan coast, for the purposes mentioned, the Wolcott will proceed to Behring Sea and intercept Canadian sealers. Orders have been given to seize any vessel found sealing in closed seas.

Suicide of Wainwright's Cousin.

ST. LOUIS, October 5.—A Wainwright, a cousin of the Postmaster-General, suicided this morning with morphine, in a hotel on Market street. He left a note saying simply, "My life is nothing to me any more." He had been drinking freely.

Victim of Malpractice.

BALTIMORE, October 5.—A sensation was created by finding the nude body of a white woman in the back river today. It was tied with a rope which was weighted with a stone paving block. A post mortem showed that the woman had been the victim of malpractice.

The Tipperary Trouble.

LOSOS, October 5.—Colonel Caddell, the magistrate who presided at the hearing of the cases of O'Brien and Dillon, at Tipperary, is writing a long letter in which he charges Morley with having distorted the facts in his recent speech relative to the Tipperary affair.

The Scotch Iron Strike.

LOSOS, October 5.—The fires have been quenched in all but a few of the Scotch iron furnaces. The lock-out will reduce the market supply 20,000 tons weekly.

Microscopical Screws.

From the St. Louis Republic.

It is asserted that the smallest screws known are those used in the production of watches. Thus, the fourth jewel wheel screw comes very near being invisible to the naked eye, looking, when viewed by a person of ordinary gift of eyesight, like a small speck of dust. With a glass it is seen to be a small but perfect screw, with threads so fine that it would take 200 of them to wind around the little speck of wire to the distance of half an inch. These minute mechanical atoms are but the forty-one thousandths of an inch in length. A lady's thumb of the ordinary size, say a No.